. . .

Total Genome

RE Digest / Separate by length STEP 1

STEP 2

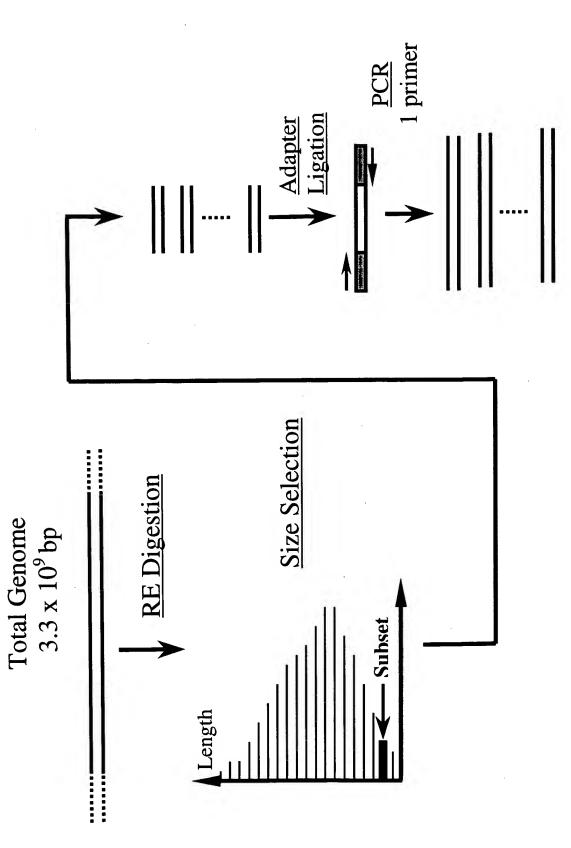
STEP 3

purification

STEP"4.

Isolated fragments STEPS

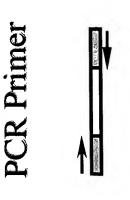
rggring nyam



Effects of Complexity

(A, C, G, T)-HGE250-350; ~16Mb





(A, T)-HGE250-350; ~4Mb



(T)-HGE250-350; ~1Mb





	cleavage Frequency of first enzyme	sites in λ	size of captured sequence (bp)
Alwi Hgal	1/512	58	5
Bbsl Bbvi	1/2048	24	6
Bsal Hgal	1/2048	2	5
BseRl Bbvl	1/2048	19	8
BsmAl Hgal	1/512	37	5
BspMI BbvI	1/2048	41	8
Esp3i Hgai	1/2048	14	5
Earl Hgal	1/2048	34	4
Hgal BsmFl	1/512	102	10
Hphi Bbvl	1/512	168	7
Mboll Bbvl	1/512	130	. 7
Mnll Hgal	1/128	262	6
Plel Hgal	1/512	61	5
Sapi Hgal	1/8192	10	4
SfaNI Fokl	1/512	169	9

Fig. 1

Adapto	1 AMA		ligation	
Adastu	AATI X CTT		- no ligation	A
PCROnmer			_CCT _GGA € PCR PAMER	コ
		Jamplifi	cation	

M. O. .

B.

- AAG not amplified

total genomic DNA

* nncgHgg -

Chunnage

FUELLIOURE 8

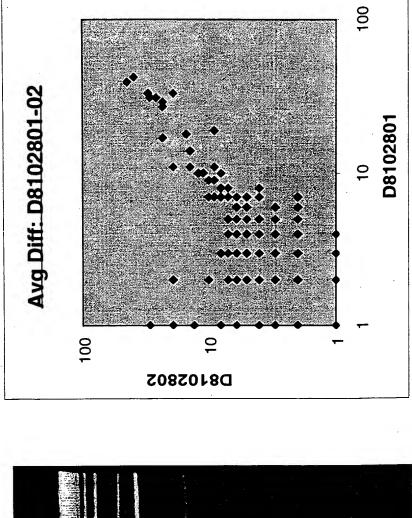
Complexity of AP Amplified Human Genomic DNA

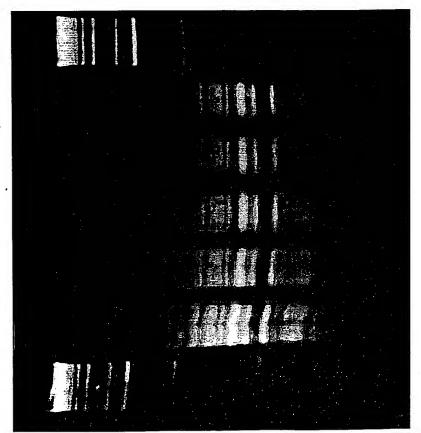
Primer	Sequence	Annealing T	Polymerase	# Present	,
Total Genome				434	6.1
sdp5	nncgttgg	30	ThermoSequenase	393	5.6
sdp3	agagctgc	30	TaqGold	264	3.7
DOP	ccgactcgagnnnnnatgtgg	30	TaqGold	247	3.5
8dps	nnnnnngccgttgg	45	TaqGold	218*	3.1*
sdp8-10	nnnnatgccgttgg	45	TapGold	506	2.9
8dps	nnnnnngccgttgg	22	TaqGold	114	1.6

^{*} Results of 20 μ g/200 μ l hybridization.

Reproducibility of AP PCR

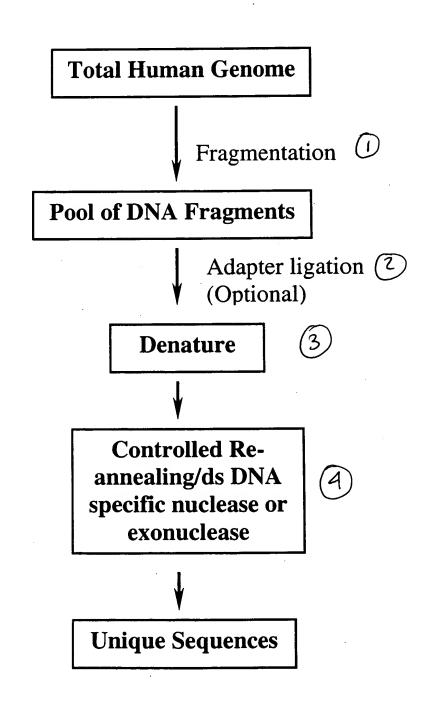
Independent preps of sdp8/H.G. DNA(B.M.)/45°C



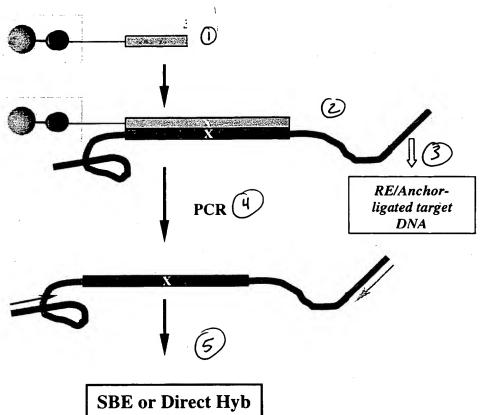




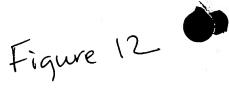
A Novel Way of Removing repetitive sequences from Genomic DNA



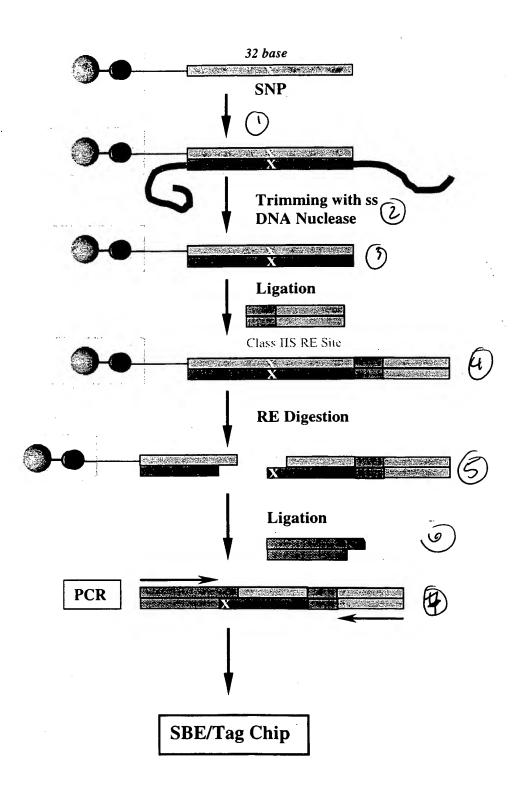
Scheme IV



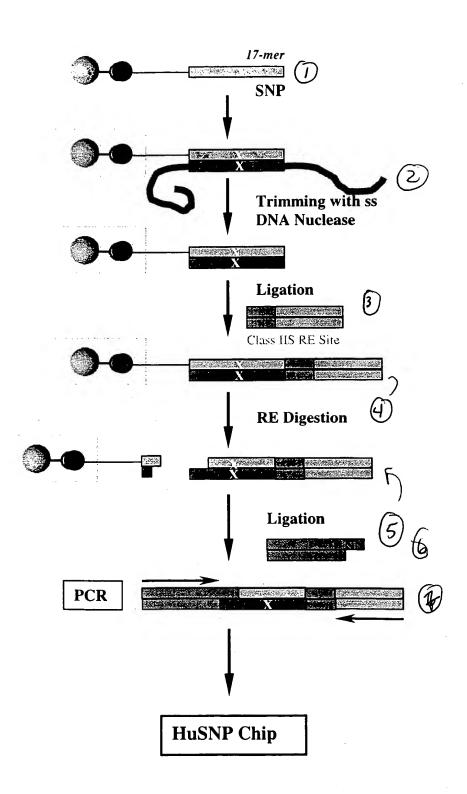
ر ک



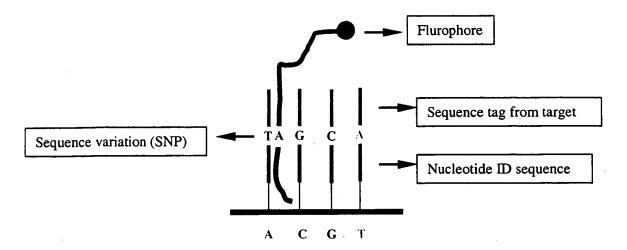
Scheme I



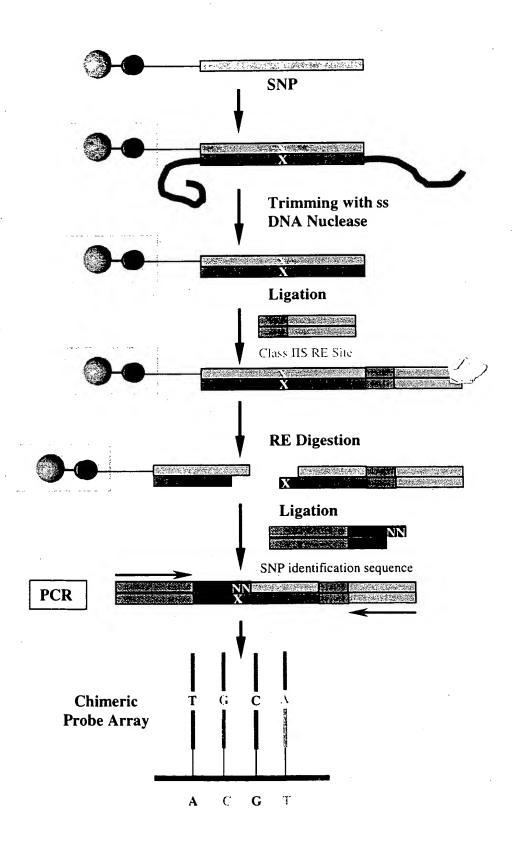
Scheme III



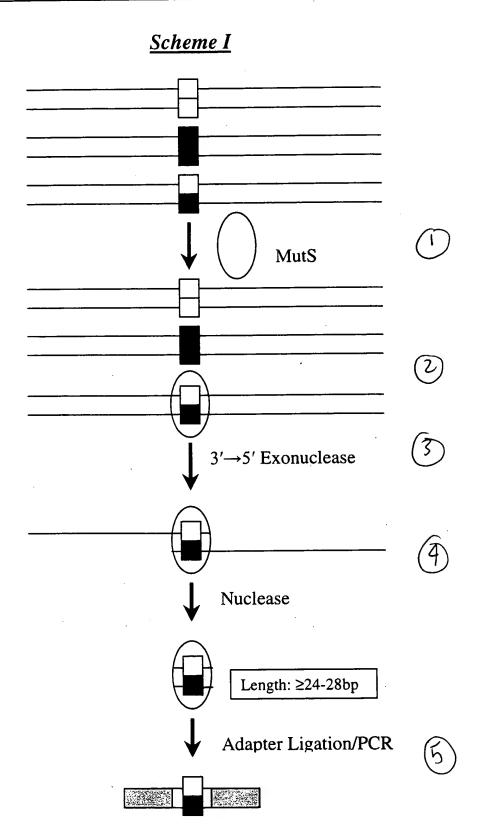
Chimeric Probe Array



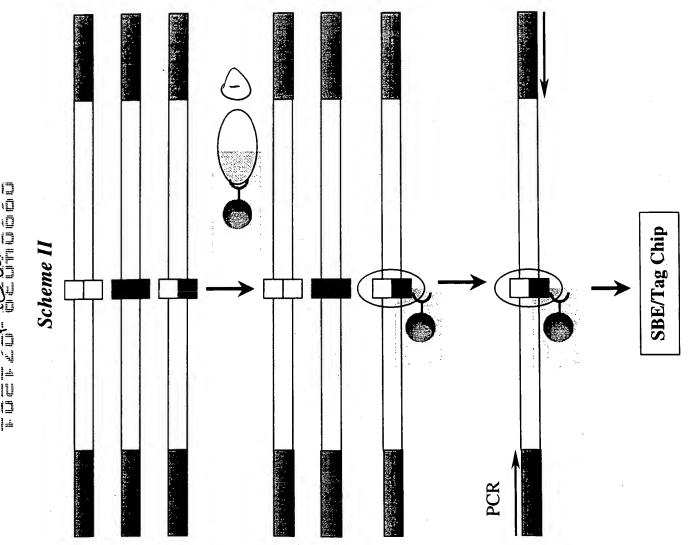
Scheme II



Enrichment of SNPs with MutS Protein







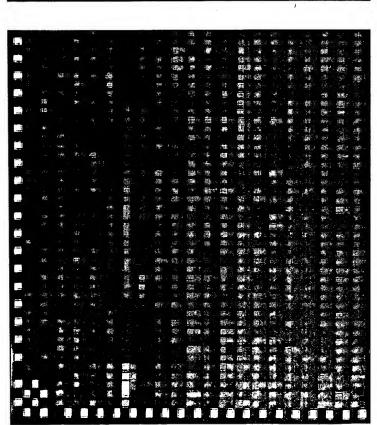
Total	Genome
1040	

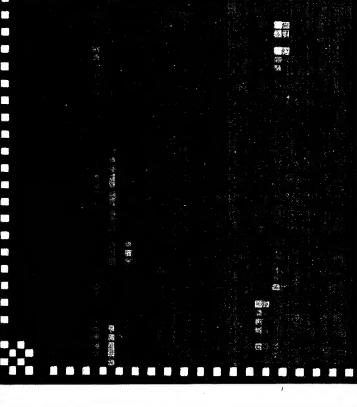
				_
		e cutter		
To degary	T Frequent	Category II Rare Rare	Category III Frequent lare Rare Frequent	end

FOR EDUCATION

Total Yeast Genome/Y6321D 10µg/200µl

YGE250-350/Y6321D 5.24µg/200µl





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